

Release B CDR RID Report

Date Last Modified 1/9/97
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Phone No

RID ID	CDR	46
Review	Release B CDR	
Originator Ref		
Priority	2	

Section

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Figure Table

Category Name Data Mgmt (DMS) Design

Actionee ECS

Sub Category

Subject Coincident Search Performance Analysis

Description of Problem or Suggestion:

Originator's Recommendation

Need to present performance analysis that demonstrates that current coincidence search design can meet performance requirements, including reasonable evolution in number of sites.

GSFC Response by:

GSFC Response Date

HAIS Response by: L. Case

HAIS Schedule

HAIS R. E. L. Case

HAIS Response Date 5/31/96

The results of the Illustra benchmarking activity within DSS will be used to feed a performance analysis of the DIM/LIM coincident search performance analysis. The raw results for spatial and temporal searches to the Data Server can be used to model the coincident search scenarios where multiple Data Servers are involved. The coincident search design will be reevaluated in light of this analysis. The alternative solutions that will be evaluated will not require changes to the Data Server, i.e. the major alternative is to provide spatial comparison operations within the DIM and LIM. The cost of this alternative will be compared with the benefits in performance that will be received over the current baseline. The final coincident search design based on the cost analysis will be presented at the Incremental Track Design Review.

Status **Closed**

Date Closed **1/9/97**

Sponsor **McDonald**

***** Attachment if any *****

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